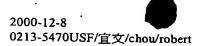## What Is Claimed Is:
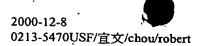
1   1. An image processing device, suitable for displaying the
2   static digital image on the image display device,
3   comprising:

4   a compressing device used to compress the static digital
5   image using the wavelet transform to produce the first
6   compressed image data file;

7   a memory device used to store the compressed image data file;

8   a processing device used to calculate and compare the storage
9   space left in the memory device, the storage space used in
10   the memory device and the size of the first compressed image
11   data file, when the storage space left in the memory device
12   is less than the size of the first compressed image data file,
13   part of the compressed image data files stored in the memory
14   device is eliminated to store the first compressed image data
15   file, otherwise the first compressed image data file is
16   directly stored in the memory device; and

17   a decompressing device used to decompress the first
18   compressed image data file to produce image data file, and
19   display it on the image display device.

1   2. The image processing device as claimed in claim 1, wherein
2   the size of the eliminated part of the image data files is
3   equally divided among the compressed image data files stored
4   in the memory device.

1   3. The image processing device as claimed in claim 2, wherein
2   the eliminated part of the image data files is the end portion

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3   of the compressed image data files stored in the memory

4   device.

1   4. A digital camera, comprising:

2   a static digital image extracting device, used to extract

3   static digital images and output;

4   a compressing device, used to compress the static digital

5   image using a wavelet transform to produce a first compressed

6   image data file;

7   a memory card, used to store the first compressed image data

8   file;

9   a central processing unit, used to calculate and compare the

10   storage space left in the memory card, the storage space used

11   and the first compressed image data file, when the storage

12   space left in the memory card is less than the first

13   compressed image data file, part of the compressed image data

14   files in the memory card is eliminated to store the first

15   compressed image data file, otherwise the first compressed

16   image data file is directly stored in the memory card;

17   a decompressing device, used to decompress the first

18   compressed image data file to produce the image data file;

19   and

20   an image display device used to display the image data file.

1   5. The digital camera as claimed in claim 4, wherein the size

2   of the eliminated part of the compressed image data files

3   in the memory card is equally divided among the compressed

4   image data files stored in the memory card.

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1　6. The digital camera as claimed in claim 4, wherein the
2　　 eliminated part of the compressed image data files is the
3　　 end portion of each of the individual compressed image data
4　　 files stored in the memory card.

1　7. The digital camera as claimed in claim 6, wherein the static
2　　 digital image extracting device is a camera lens.

1　8. The digital camera as claimed in claim 7, wherein the image
2　　 display device is a liquid crystal display.

1　9. The digital camera as claimed in claim 7, wherein the image
2　　 display device is a computer.